

ABSTRACT OF THE DISCLOSURE

A repeater such as an Internet router device used in a communication network such as the Internet. The delay time from a device of a sender to a device of a receiver is secured. A 5 communication system, a control circuit, a connecting means, and a computer program are also disclosed. The sending time intervals between sending to a transmission network are calculated from a target value of the transfer rate of a packet to be relayed (S202), a target value of the delay time is determined on the basis of the delay 10 time to be secured (S205), and a reference value of the storage capacity used as a criterion for deciding discard of a packet is calculated from the delay time target value and the sending time intervals (S206). Packets are sent out at the calculated sending time intervals, and discard of a packet is judged according to a 15 predetermined method when a packet having a storage capacity above the storage capacity reference value is received.